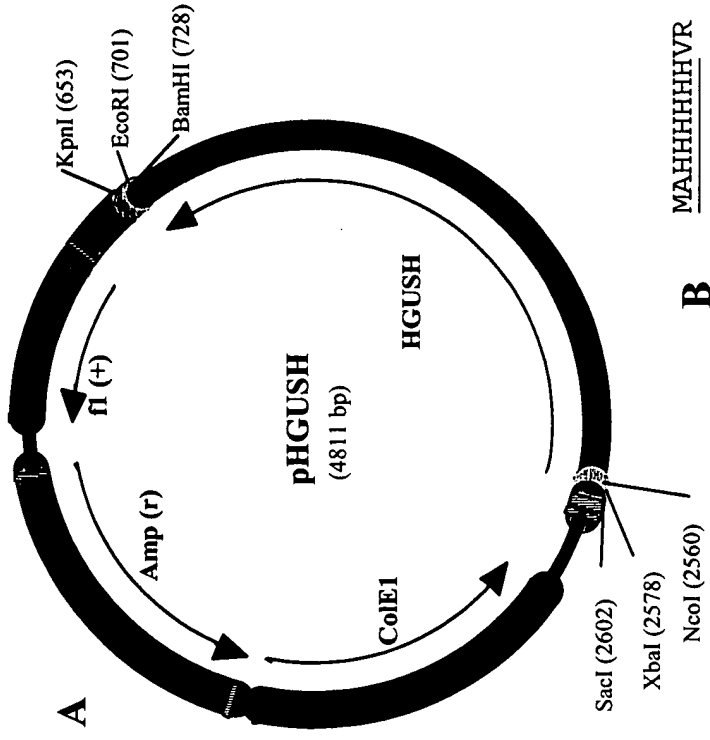


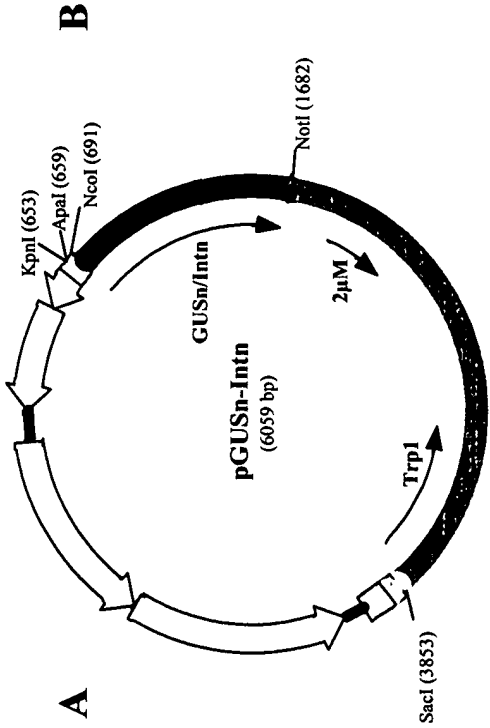
Figure 1



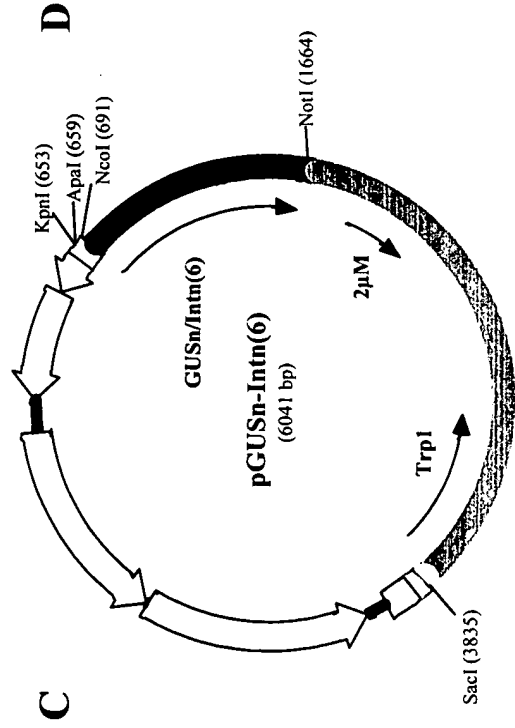
MAHHHHHVR PVETPTREIK KLDGLWAFSL DRENCIDQR WWESALQESR 50  
AIAVPGSFND QFADADIRNY AGNVWYQREV FIPKGWAGQR IVLRFDAVTH 100  
YGKVVWNNQE VMEHQGGYTP FEADVTPYVI AGKSVRITVC VNNELNWQTI 150  
PPGMVITDEN GKKKQSYFHD FFNYAGIHR VMLYTTPTNTW VDDITVVTHV 200  
AQDCNHASVD WQVVANGDVS VELRDADQV VATGQGTSGT LQVVNPHLWQ 250  
PGEGLYELC VTAKSQTECD IYPLRVGIRS VAVKGEQFLI NHKPFYFTGF 300  
GRHEDADLRG KGFDNVLMVH DHALMDWIGA NSYRTSHYPY AEEMLDWADE 350  
HGI VVIDETA AVGFNLSLGI GFEAGNKPKE LYSEEAVNGE TQQAHLQAIAK 400  
ELIARDKNHP SVMWSIANE PDTRPQGARE YFAPLAEATR KLDPTRPITC 450  
VNVMFCD AHT DTISDLFDVL CLNRYYGWYV QSGDLETAEK VLEKELLAWQ 500  
EKLHQPIIIT EYGVDTLAGL HSMYTDWSE EYQCAWLDMY HRVFD RVS AV 550  
VGEQVWNFAD FATSQGILRV GGNKKGIFTR DRKPKSAAFL LQKRWTGMNF 600  
GEKPQQGGKQ GSHHHHHH\* 618

(SEQ ID NO: 28)

Figure 2

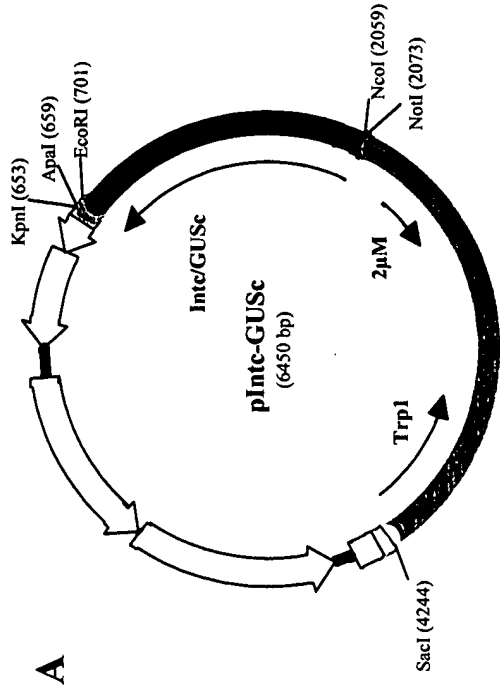


MAHHHHHVR PVETPTREIK KLDGLWAFSL DRENCIDQR WWESALQESR  
AIAVPGSFND QFADADIRNY AGNVWYQREV FIPKGWAGQR IVLRFDAVTH  
YGVVWVNNQE VMEHQGGYTP FEADVTPYVI AGKSVRITVC VNNELNWQTI  
PPGMVITDEN GKKKQSYFHD FFNYAGIHRV VMLYTTPTNTW VDDITVVVTHV  
AQDCLSPGTE ILTVEYGPPLP IGVIVSEIN CSVYSVDPEG RVTQAIQW  
HDRGEQEVLE YELEDGGSVIR ATSDHRFLTT DYQLLAIEEI FARQLDLLTL  
ENIKQTEHAL DNHRLPFPPLL DAGTIK\*  
(SEQ ID NO: 38)



MAHHHHHVR PVETPTREIK KLDGLWAFSL DRENCIDQR WWESALQESR  
AIAVPGSFND QFADADIRNY AGNVWYQREV FIPKGWAGQR IVLRFDAVTH  
YGVVWVNNQE VMEHQGGYTP FEADVTPYVI AGKSVRITVC VNNELNWQTI  
PPGMVITDEN GKKKQSYFHD FFNYAGIHRV VMLYTTPTNTW VDDITVVVTHV  
AQDEILTVEY GPLPIGKIVS EEINCSVYSV DPEGRVYTA IAQWEDRGEQ  
EVLEYELEDG SVIRATSDHR FLTTDYQLLA IEEIFARQLD LLTLENIKQT  
EEALDNHRLP FPLLDAGTIK\*  
(SEQ ID NO: 39)

Figure 3



**B**

MVKVIGRRSL	GVQRIFDIGL	PQDHNFLLAN	GAIAANCNHA	SVDWQVVVANG	50
DVSVELRDAD	QQVATGQGT	SGTLQVVNPH	LWQPGEGYLY	ELCVTAKSQT	100
ECDIYPLRVG	IRSVAVKGEQ	FLINHKKPFYF	TGFGRHEDAD	LRGKGFDNVL	150
MVHDHALMDW	IGANSYRTSH	YPYAEEMLDW	ADEHGIVVID	ETAAVGFNLS	200
LGIGFEAGNK	PKELYSEEA	NGETQQAHLQ	AIKELIARDK	NHPSVVMWSI	250
ANEPDTRPQG	AREYFAPLAE	ATRKLDPTRP	ITCVNVVMFCD	AHTDTISDLF	300
DVLCNLNRYYG	WYVQSGDLET	AEKVLEKELL	WQEKLHQPII	ITEYGVDTLA	350
GLHSMYTDMW	SEELYQCAWLD	MYHRVFDRVS	AVVGEQVWNF	ADFATSQGIL	400
RVGGNKKGIF	TRDRKPKSAA	FLQLQKRWTCM	NFGEKPOQGG	KQGSHHHHH	450

\*

(SEQ ID NO: 40)

Figure 4

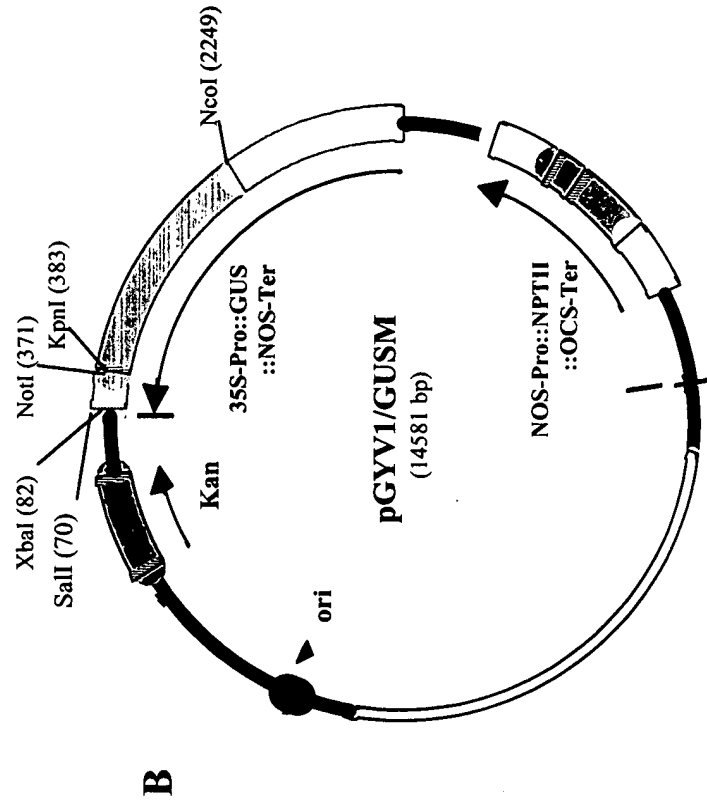
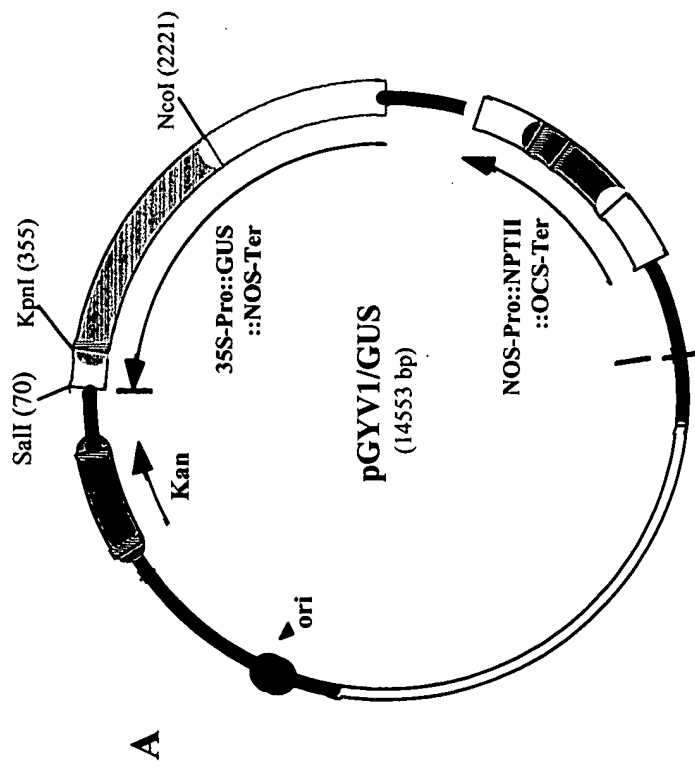


Figure 5

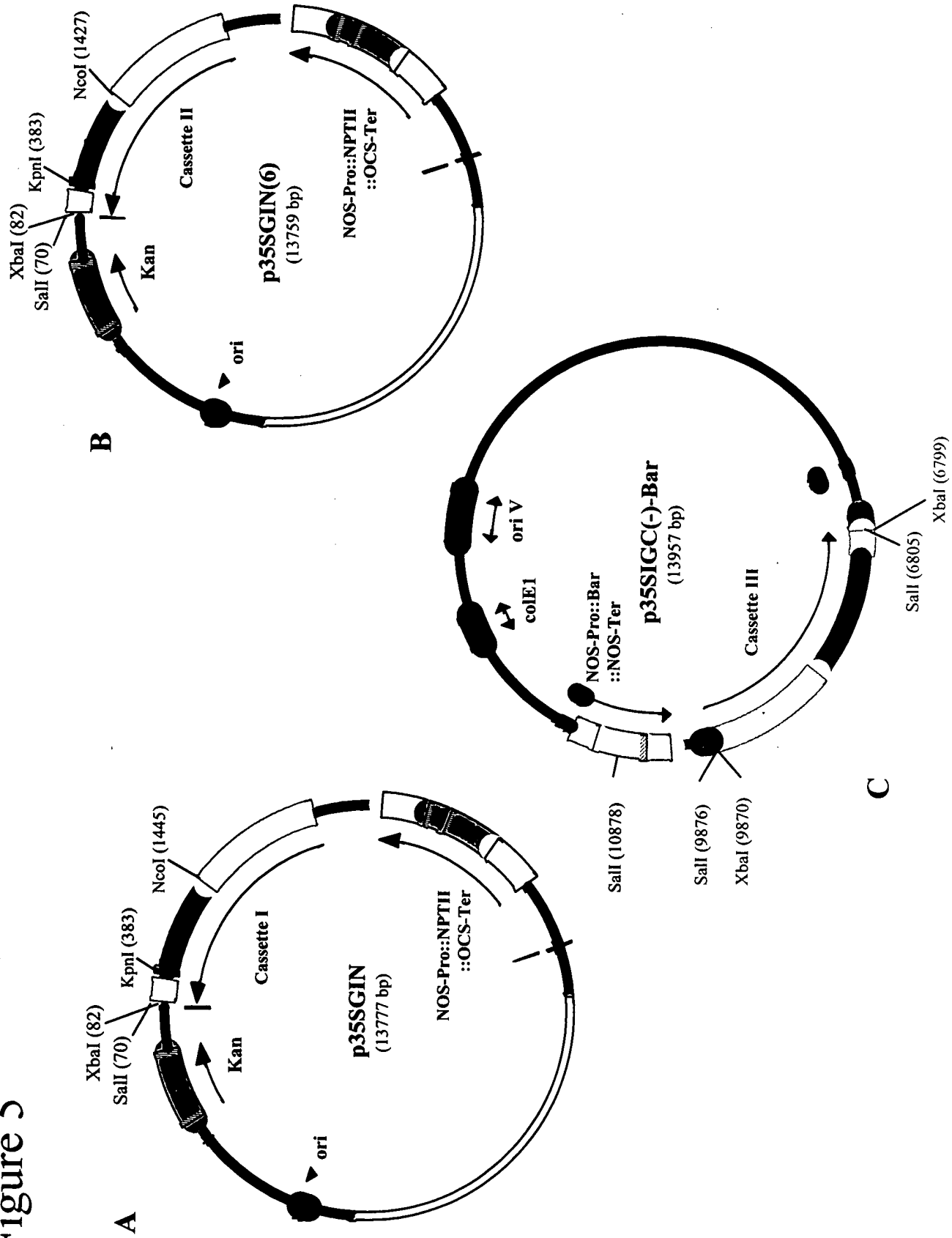


Figure 6

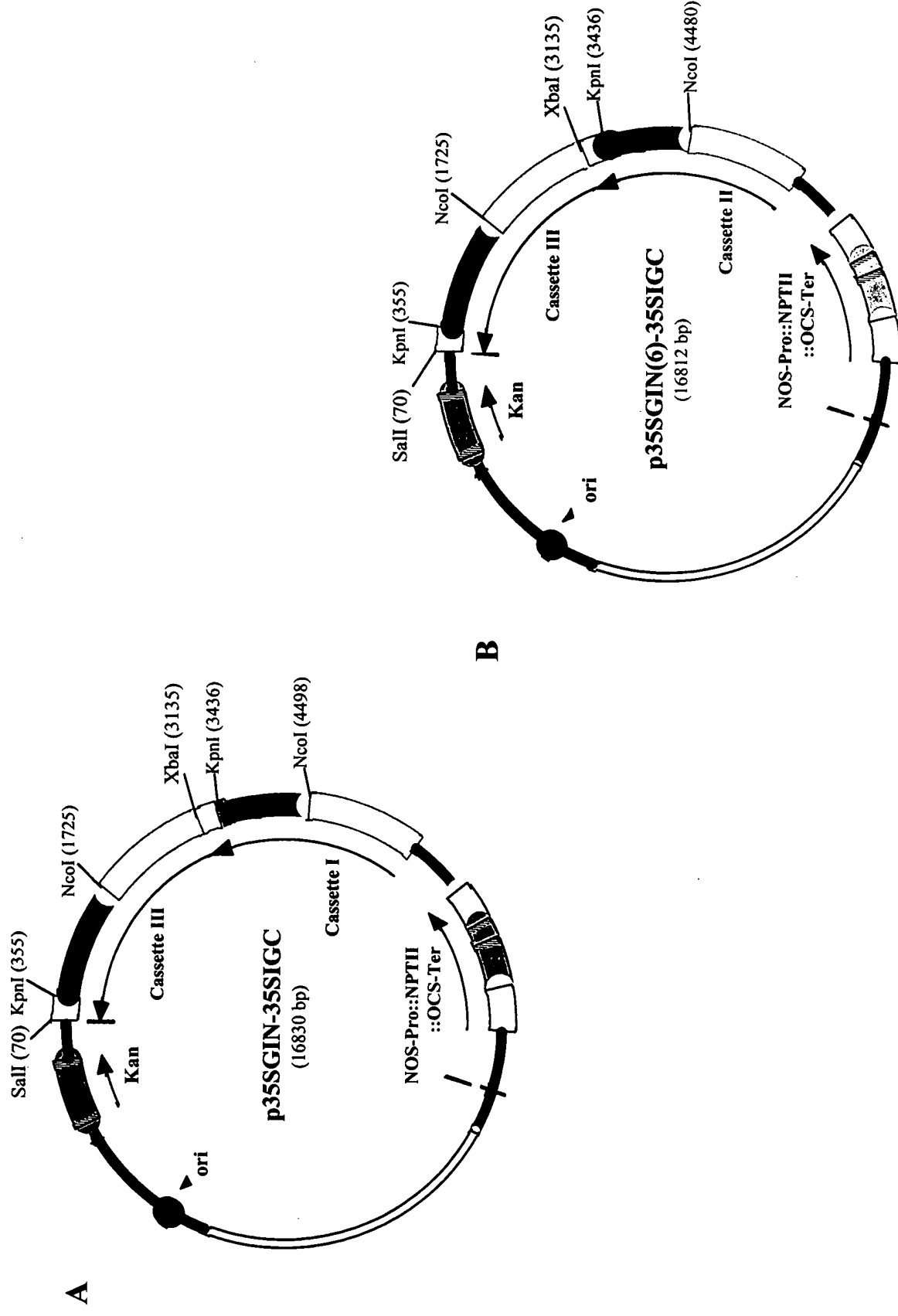


Figure 7

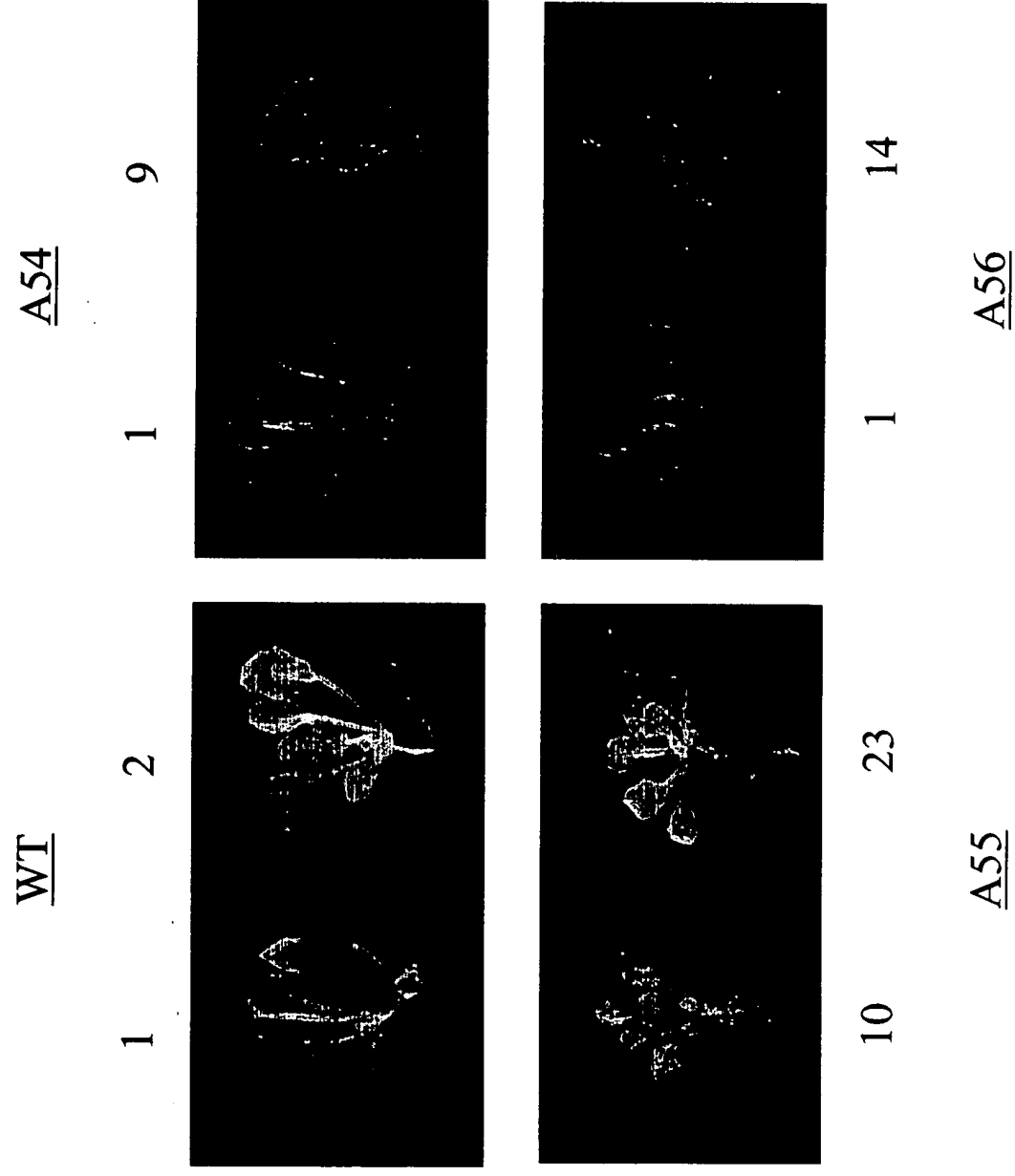


Figure 8

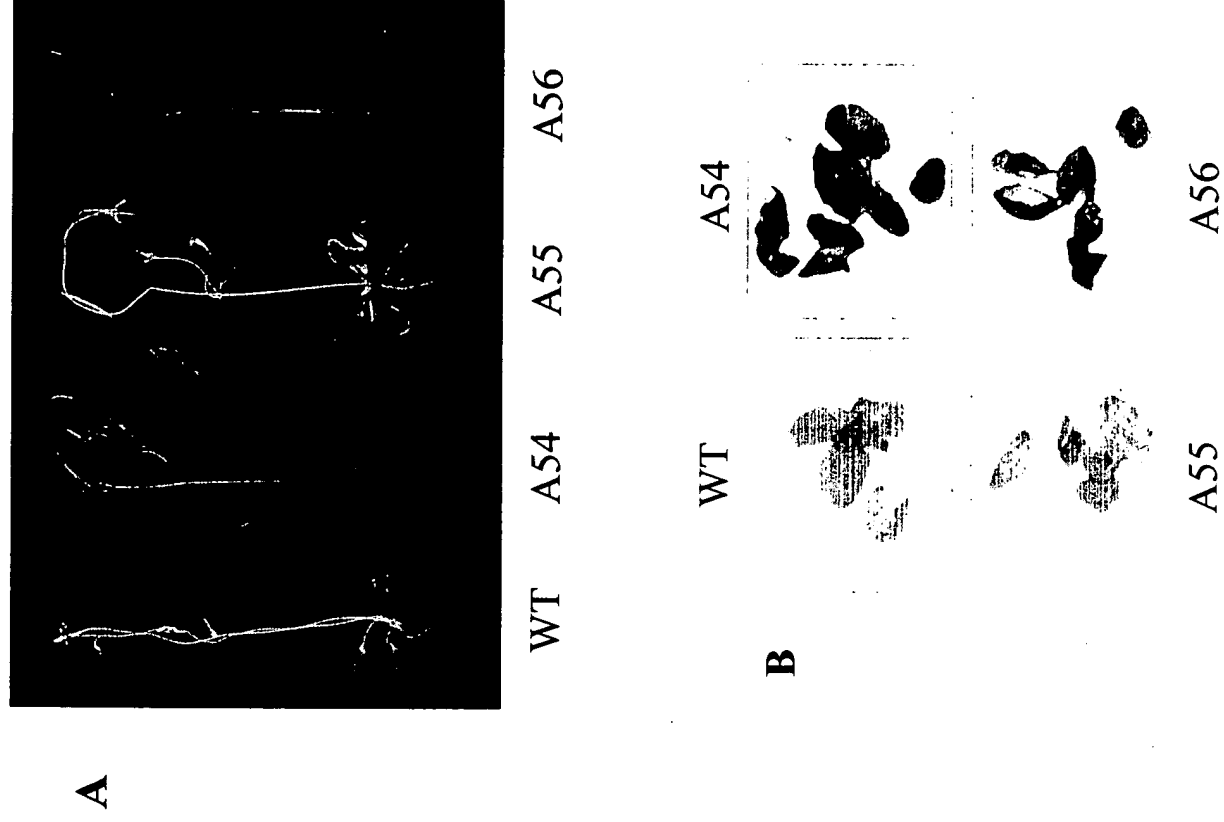




Figure 9

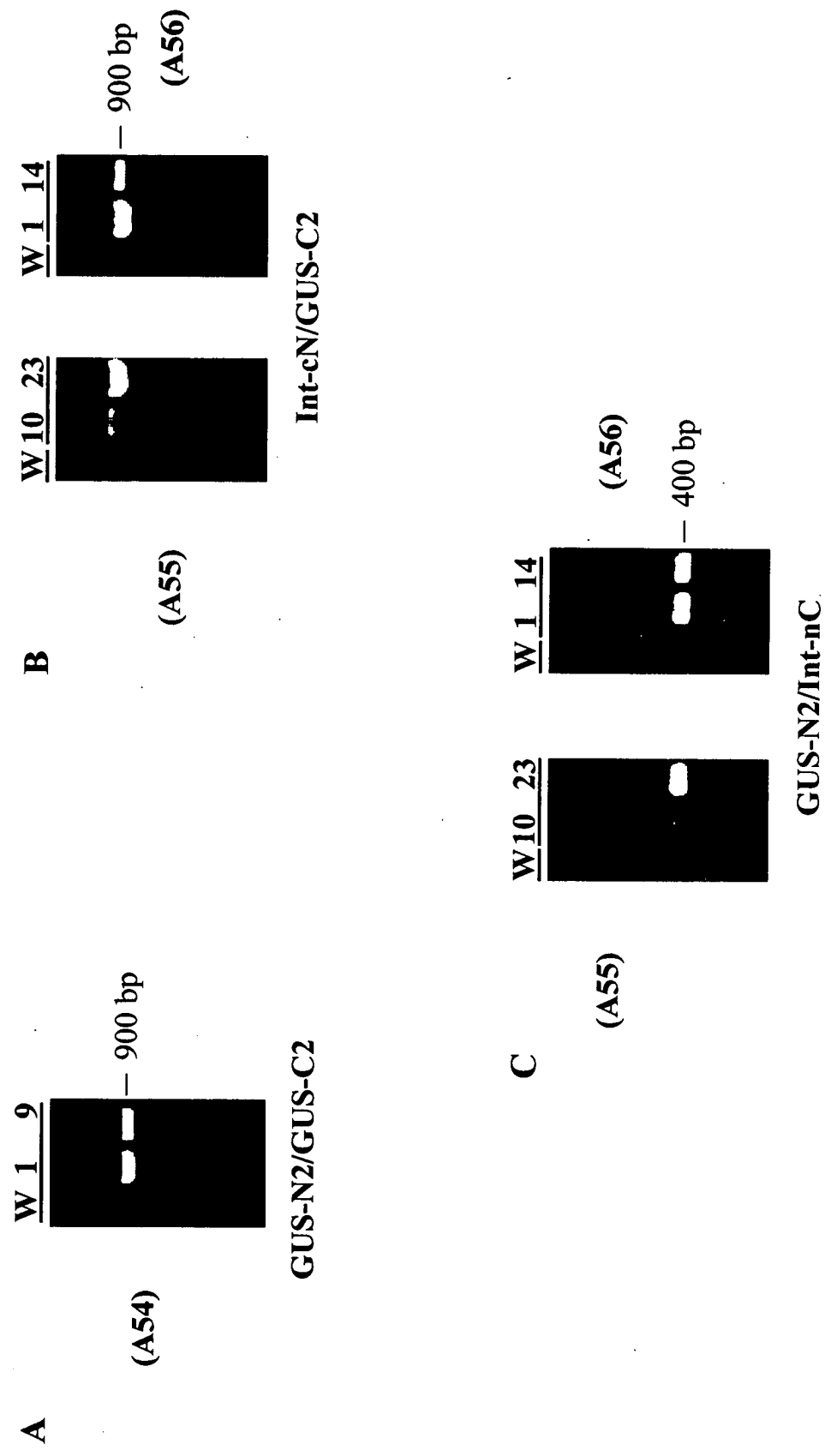


Figure 10

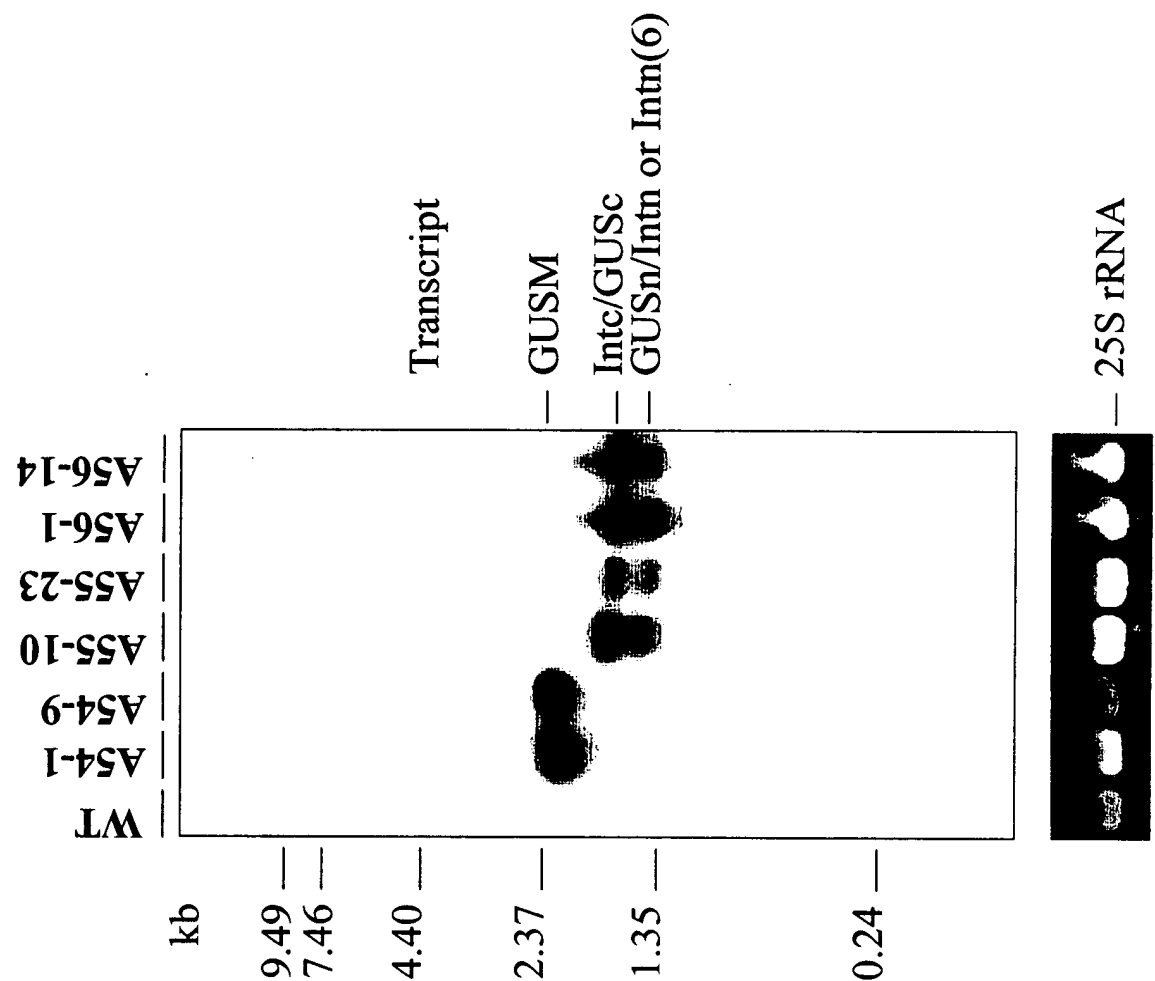


Figure 11

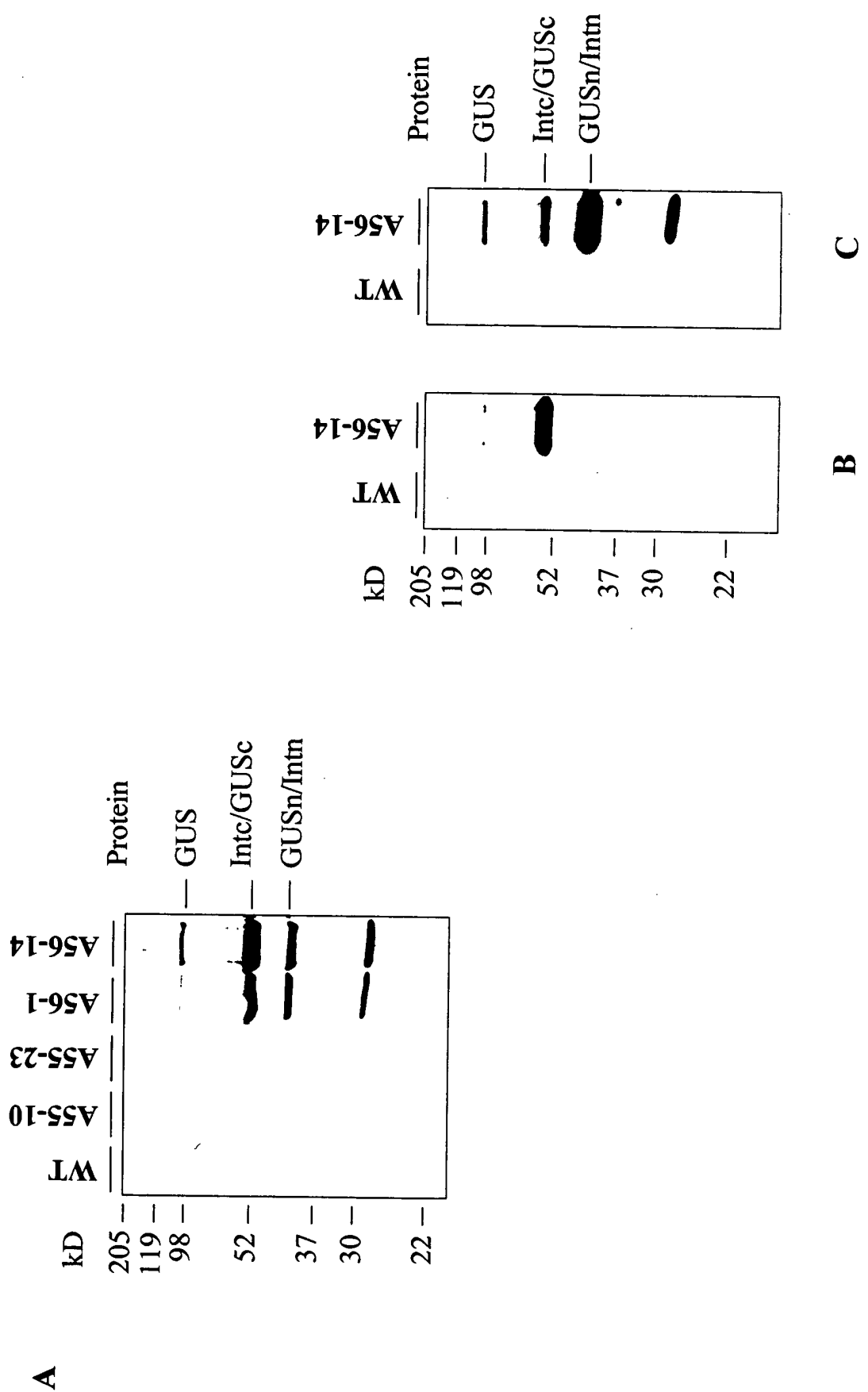


Figure 12

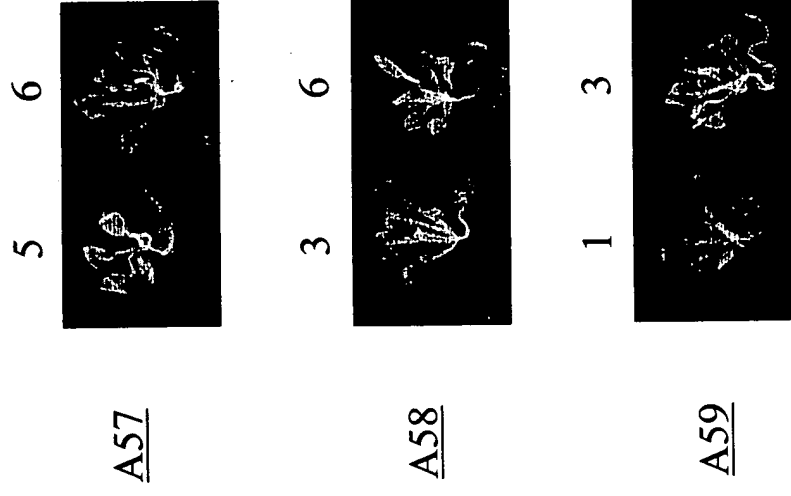


Figure 13

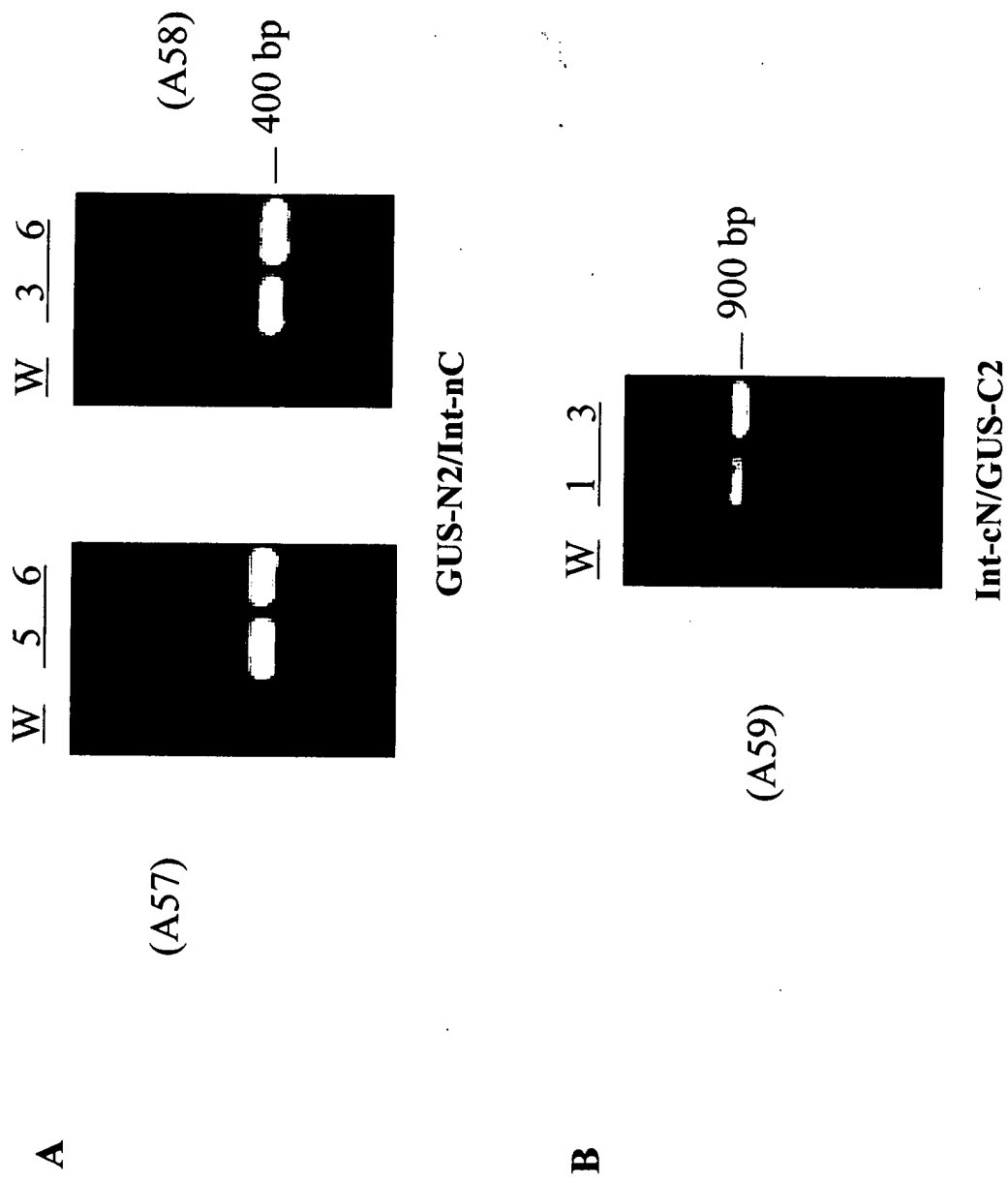


Figure 14

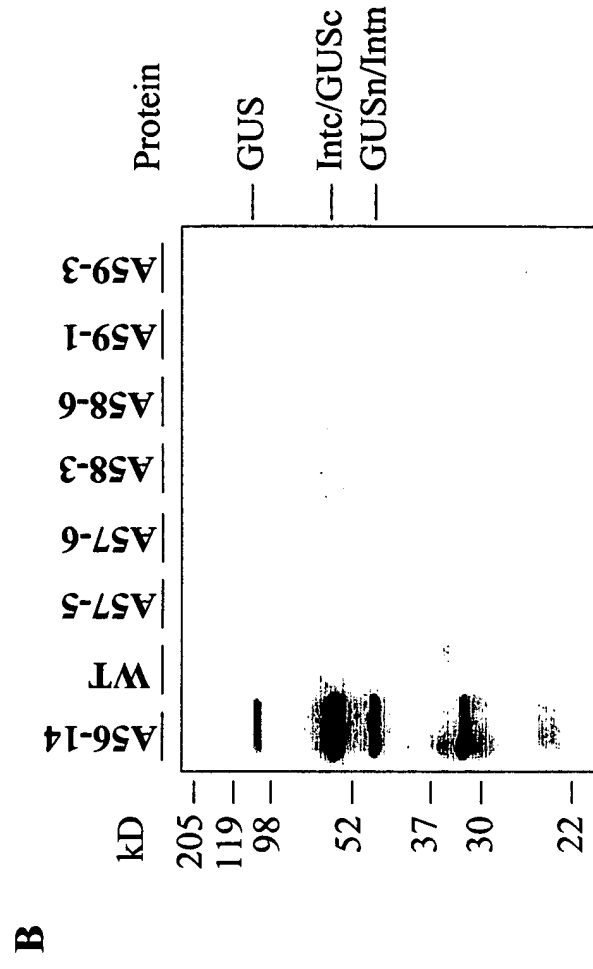
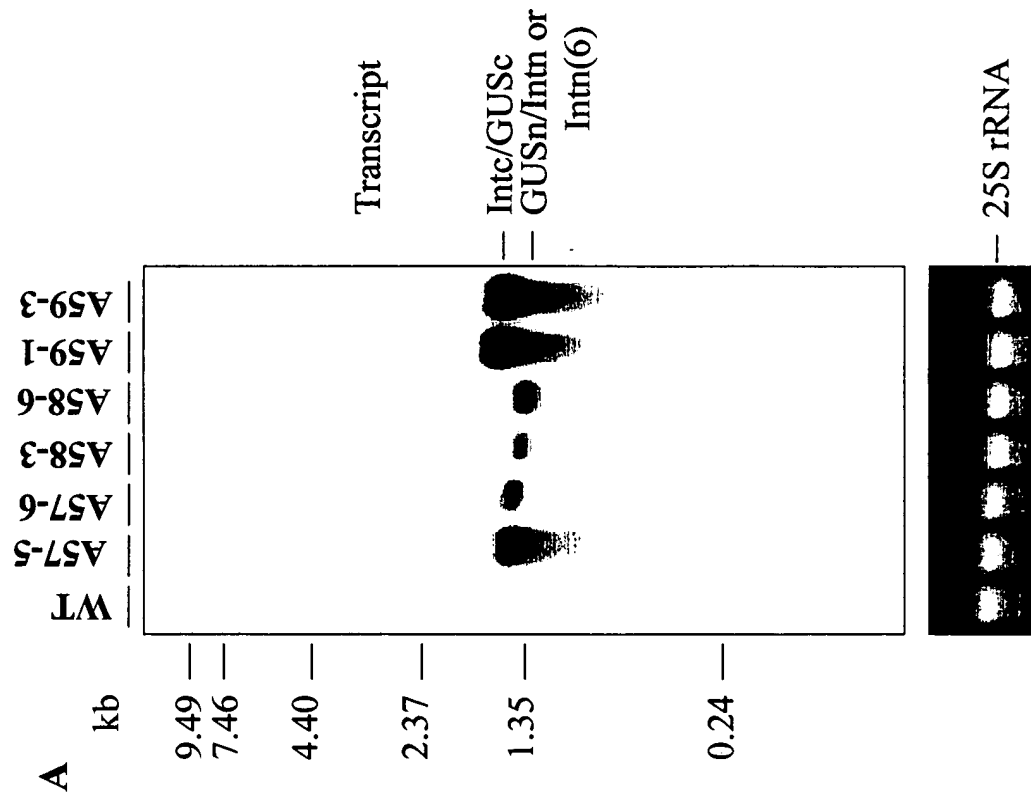
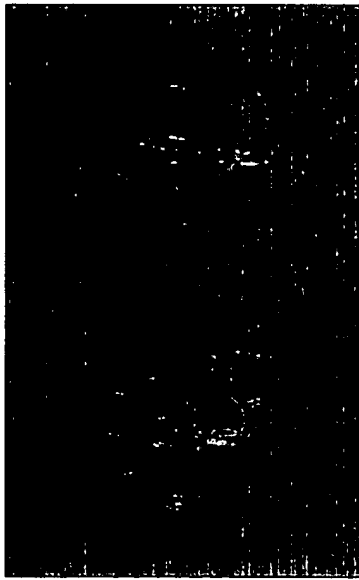


Figure 15

A57xA59

19

22



A58xA59

6

8

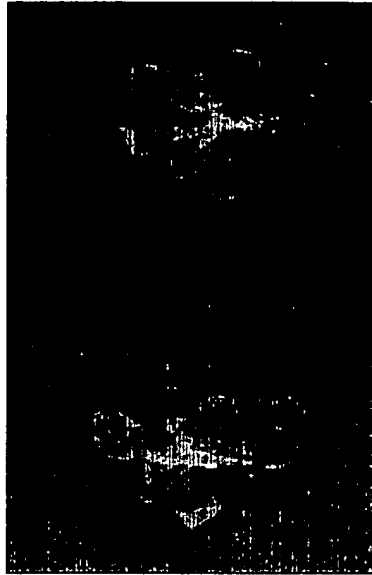


Figure 16

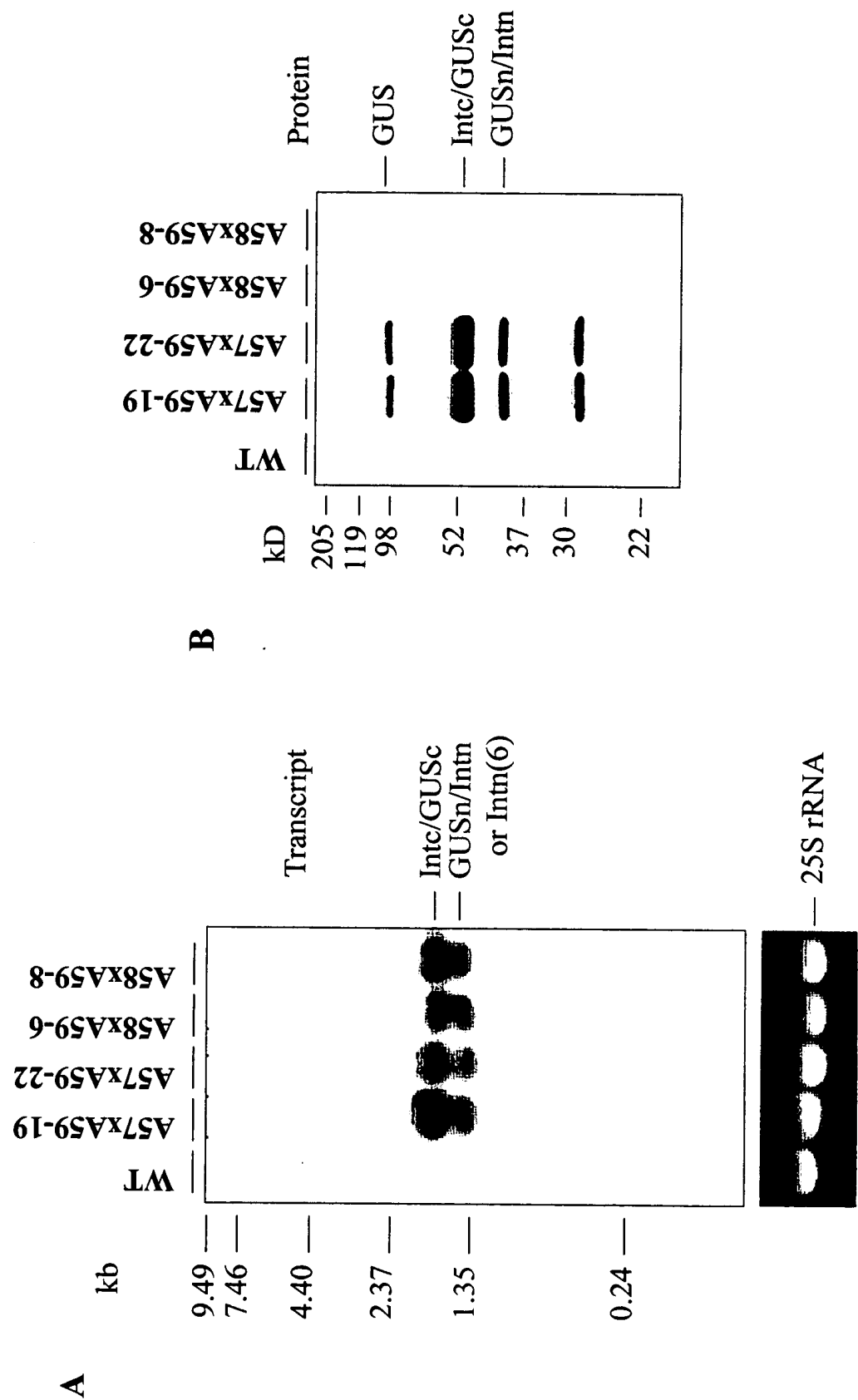
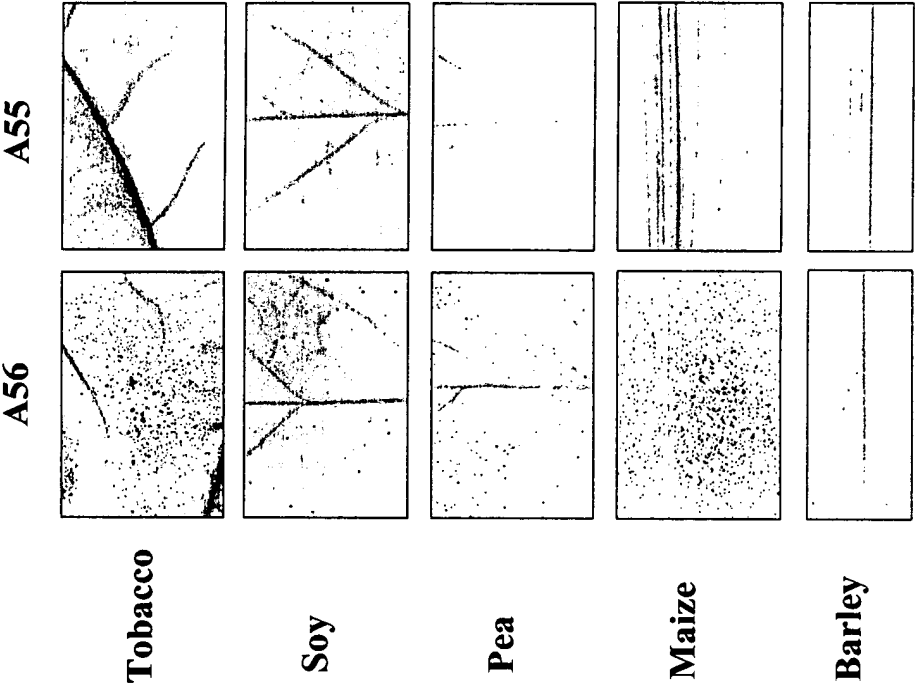




Figure 17



**A**

**B**

**C**

**P1** **CreN-IntN** **3'**

**P2** **IntC-CreC** **3'**

**CreN-IntN**

**IntC-CreC**

**CreN-CreC = Cre**

**P3** **STOP** **GUS** **3'**

**Lox**

**Lox**

**P3** **GUS** **3'**

**Lox**

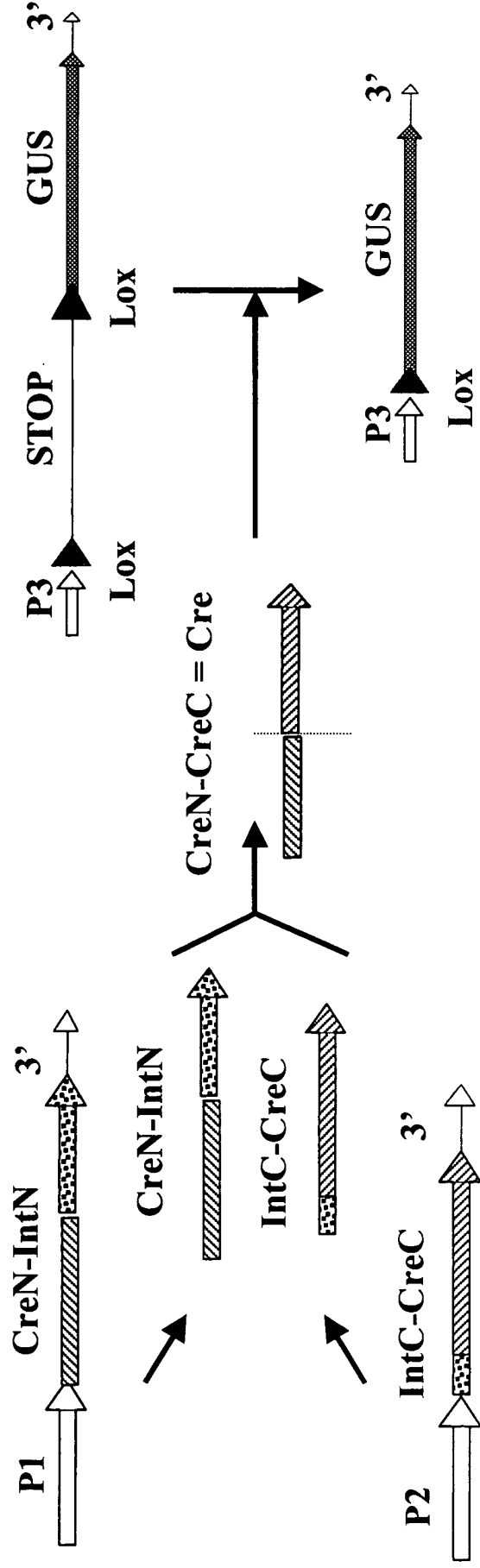
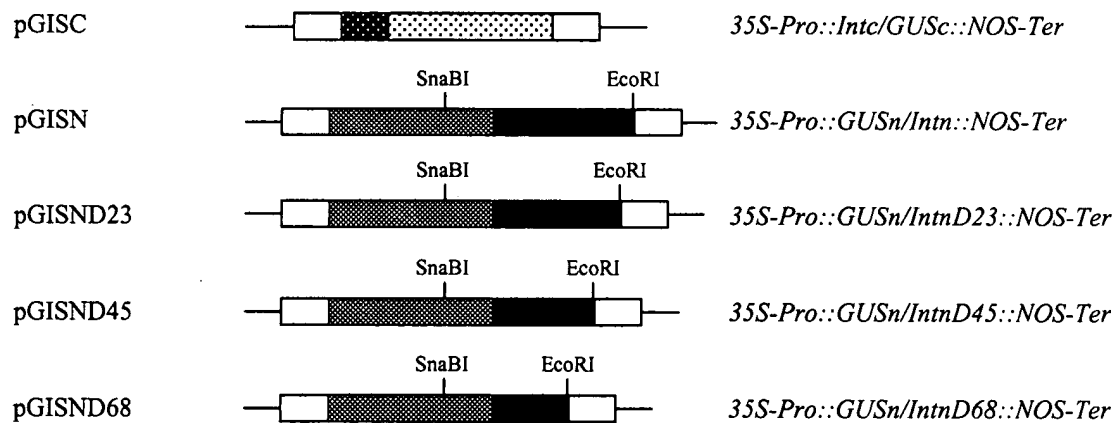


Figure 19

A

PLASMID

TRANSGENE STRUCTURE



B

Motif A

CLSGTEILTFVEYGPLPIGKIVSEEINCSVY

SVDPEGRVYTQAIHQWDRGEQEVLEYELED

▲ D68

Motif B

GSVIRATSDHRFLTTDYQLLAIEEIFARQLD

▲ D45

LLTLENIKQTEEALDNHRLPFPLLDAGTIK\*

▲ D23